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13. Domos Trar que Wi+W2 = {Wiv W2}, si Wi, W2 son sub.vec. de V

Restornamos una línea enter de ...W en 12.

gan/W1+W2) = gan(W1) v gan(W2)

Tenamos W1 v W2 = {we V: we W1 v we W2}

= w = d. u ~ w = \beta.v

Tres casos

D w = d. u D w= \beta.v

gor le Tanto a w le generan tooles les elementos de u y de v, sin ambergo

si al momento de evaluar a.u-\beta.v=0 \rightarrow a=\beta=0 \text{ gan(W1)W2} = \betan(W1)\beta\text{son(W2)} = \beta

pero si \(\frac{1}{2}\displai_1,\beta_1\beta_1\displai_2,...,n;\beta=1\beta_2,...,n;\beta=1\beta_2,...,n \text{ gan(W1)nson(W2)} \equiv

A san(W1)nson(W2) \equiv

En coalquier caso, son(W10W2) = \sin(W1)v son(W2)

\rightarrow gan(W1)nson(W2) \equiv

A san(W1)nson(W2) \equiv

A san(W1)nson(W2) \equiv

N san(W1)nson(W2) \equiv

\rightarrow gan(W1) \text{ son(W2)}
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| W. Dotorminor una base para coda subespecio de 1R4.

| E = {(x1, x2, x3, x4) : x1 = x2 = x3 = x4) }

| (x1, x2, x3, x4) : (x1, x1, x1, x4) = x1 (1, 1, 1, 1) , x1 e 1R

| G = {(x1, x2, x3, x4) : x1 = x2 \ x3 = x4} }

| (x1, x2, x3, x4) : (x1, x1) x3, x3 = (x1, x1, 0, 0) + (x2, x3, x3, x3) = x1 (11, 0, 0) + (x3, x3, x4) = (x1, x1) x3, x3 = x1 (11, 0, 0) + x3 (0, 0, 1, 1) ; x1, x3 e 1R

| G = {(1, 1, 0, 0) ; (0, 0, 1, 1) }

| H = {(x1, x2, x3, x4) : x1 = x2 = x3} |

| (x1, x2, x3, x4) : (x1, x1, x1, x1) = (x1, x1, x1, x1, 0) + (x2, 0, 0, x4) = x1 (1, 1, 1, 0) + x4 (0, 0, 0, 1); x3, x4 e 1R

| K = {(1, 1, 1, 0); (0, 0, 0, 1)}

| K = {(1, 1, 1, 0); (0, 0, 0, 1)}

| K = {(1, 1, 1, 0); (0, 0, 0, 1)}

| K = {(1, 1, 1, 0); (0, 0, 0, 1)}

| K = {(1, 1, 1, 0); (-1, 0, 1, 0); (-1, 0, 0, 1)}

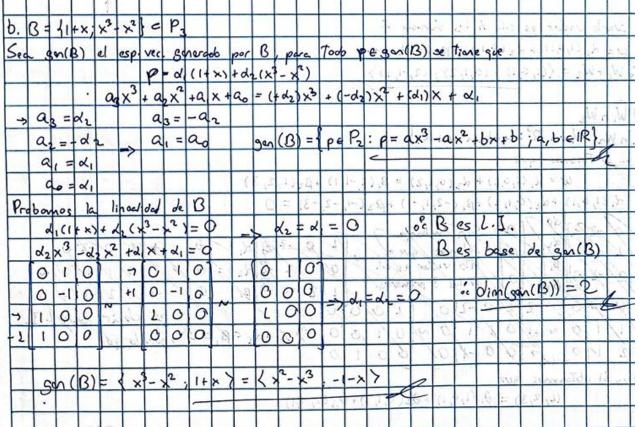
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| K = {(1, 1, 1, 0, 0); (-1, 0, 1, 0); (-1, 0, 0, 1)}
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8. Si A= fu, v, w} = V, es un cayento L.I., dotarning la D.L. o I.L. de 1
  B={du+Bv, 2v-dw, Bw+ 2v}, para d, B, 2 e 1R.
Salomes que au + a2 V + a3 W= Q = a2 = a3 = 0
Queremos probar $6,(du+BV) + 62(2V-dw)+b3(BW+2V)=0 -> 6,= 62=63=0
  >> b, du + (bp+b2+b3) v+(b3B-b2d)w=0
                                                       ∃ b; ≠ C, i=1,33
       a, u + a, v + a, w = 0
   bid=0 ~ biB+bix+b3x=0 ~ b3B-bd=0
 (4=0 ub,=0) ~ ab, B+ab2 2+ab3 2=0 pb3=ab2
                   Bb3 1+db31 = 0
                     200 E
              ( Nb3 = 0 v d+ B=0)
 Superenas a,B, 2 = R/10}
          S; b_3 = 0 \rightarrow b_2 = 0 Existe el caso donde b_2 \neq 0 \rightarrow b_3 \neq 0
            S: d = - B - b2+b3 = 0
 RpTa: S: d=-B, B es Das. L.D.
         S; a + - B, B es L. I.
```

[0.5; $\beta = \{v_1, v_2, v_3, ..., v_m\}$ es L. I. Déterminar le linaelides de $A = \{v_1, v_2, v_3, ..., v_m - v_i\}$ Sabanos $d_1v_1 + d_2v_2 + ... + d_mv_m = 0 \Rightarrow d_1 = d_2 = ... \Rightarrow d_m = 0$ Probanos $\beta_1v_1 + \beta_2(v_2 - v_1) + ... + \beta_m(v_m - v_i) = 0$ ($\beta_1 - \beta_2 - \beta_3 - ... - \beta_m \}v_1 + \beta_2v_2 + ... + \beta_mv_m = 0$ $\Rightarrow \left(\beta_1 - \frac{m}{i = 2}\beta_i\right) = 0 \quad \land \quad \beta_2 = \beta_3 = ... = \beta_m = 0$ $\beta_1 = \sum_{i=2}^{m} \beta_i = \sum_{i=2}^{m} 0 = 0$ $\beta_1 = \sum_{i=2}^{m} \beta_i = \sum_{i=2}^{m} 0 = 0$ Papla: A es L. I.

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